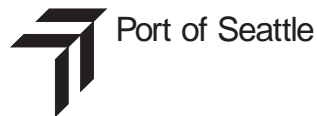


# **SR 509: Corridor Completion/ I-5/South Access Road**

## **FINAL ENVIRONMENTAL IMPACT STATEMENT AND SECTION 4(f) EVALUATION**

Volume 1



January 2003

## SR 509: Corridor Completion/I-5/South Access Road

King County, SeaTac, Des Moines, Kent, and Federal Way, Washington

### NEPA/SEPA

### Final Environmental Impact Statement and Final Section 4(f) Evaluation

Submitted Pursuant to 42 USC 4332(2)(c), 23 USC 138, and 49 USC 303, and RCW 43.21C, WAC 197-11 and WAC 468-12

by the

U.S. Department of Transportation, Federal Highway Administration (FHWA); the Washington State Department of Transportation (WSDOT); the Port of Seattle, King County, City of SeaTac, and City of Des Moines

This action complies with Executive Order 11990, Protection of Wetlands; and Executive Order 12898, Environmental Justice in Minority and Low-Income Populations.

<u>01/10/03</u> Date of Approval	<u>Daniel M. Mathis</u> Daniel Mathis, P.E., Administrator, Washington Division, FHWA	<u>1/10/03</u> Date of Approval	<u>Jerry Alb</u> Jerry Alb, Director of Environmental Services, WSDOT
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The Federal Highway Administration, Washington State Department of Transportation, Port of Seattle, King County, and the Cities of Des Moines and SeaTac propose to improve regional highway connections with an extension of SR 509 to serve future transportation needs in southwest King County and to enhance southern access to Seattle-Tacoma International Airport. Improvements to I-5 between approximately South 210th Street and South 310th Street are also proposed. The corridor width of the SR 509 extension would be a minimum of 200 feet to accommodate two general purpose travel lanes and a center high-occupancy vehicle lane in each direction. The South Access Road corridor width would be at least 120 feet and consist of two general purpose lanes in each direction. The width of the improvements to I-5 would vary depending on their location. Three build alternatives and a No Action Alternative are considered in the EIS for the SR 509 freeway extension, differing in their proximity to Des Moines Creek Park, the airport Runway Protection Zone, and their connection to I-5.

The cost of this document is \$50, which does not exceed the cost of printing and mailing. Compact disk copies of the document are free upon request. Copies of this EIS and appendices are available at local libraries and on the WSDOT SR 509 project website.

### **Title VI Statement**

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## ***Acronyms and Abbreviations***

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AASHTO	American Association of State Highway and Transportation Officials
APE	Areas of Potential Effect
AGC	Associated General Contractor
AQMP	air quality maintenance plan
BA	Biological Assessment
bgs	below ground surface
BMP	best management practice
BOD	biological oxygen demand
CAA	Controlled Activity Area
CBD	Central Business District
C/D	collector/distributor
CEQ	Council on Environmental Quality
CFR	Code of Federal Regulations
cfs	cubic foot per second
CO	carbon monoxide
COD	chemical oxygen demand
cy	cubic yard
dba	decibel (A-weighted scale)
DEIS	Draft Environmental Impact Statement
DNL	day-night average noise level
DPS	Distinct Population Segment
Ecology	Washington State Department of Ecology
EDR	Environmental Data Resources, Inc.
EIS	environmental impact statement
EO	Executive Order
EPA	U.S. Environmental Protection Agency
ERTS	Environmental Report Tracking System
ESA	Endangered Species Act
ESU	Evolutionary Significant Unit
FAA	Federal Aviation Administration
FEIS	Final Environmental Impact Statement
FHWA	Federal Highway Administration
GMA	Growth Management Act
GMPC	Growth Management Planning Council
gpm	gallon per minute
GWMA	Groundwater Management Area

HCT	high-capacity transit
HOV	high-occupancy vehicle
HPA	Hydraulic Project Approval
I-5	Interstate 5
I-405	Interstate 405
I&M	inspection and maintenance
IVM	Integrated Vegetation Management
IWS	Industrial Wastewater System
kg/year	kilogram per year
kV	kilovolt
L <sub>eq</sub>	average noise level
L <sub>eq</sub> [h]	predicted hourly traffic noise level
LOS	level of service
μg/m <sup>3</sup>	microgram per cubic meter
mg/L	milligram per liter
mph	mile per hour
msl	mean sea level
MPO	metropolitan planning organization
MTP	Metropolitan Transportation Plan
NAAQS	National Ambient Air Quality Standards
NAC	noise abatement criteria
NEPA	National Environmental Policy Act
NHP	Natural Heritage Program
NMFS	National Marine Fisheries Service
NO <sub>x</sub>	oxide of nitrogen
NPDES	National Pollutant Discharge Elimination System
NPL	National Priority List
NRHP	National Register of Historic Places
NURP	Nationwide Urban Runoff Program
O&M	operation and maintenance
OAHP	Office of Archaeology and Historic Preservation
OFA	Object-Free Area
OSHA	Occupational Safety and Health Administration
PAH	polynuclear aromatic hydrocarbon
PCB	polychlorinated biphenyl
PHS	Priority Habitat and Species
PM	particulate matter

PPE	personal protective equipment
ppm	parts per million
PRT	personal rapid transit
PSCAA	Puget Sound Clean Air Agency
PSE	Puget Sound Energy
PSRC	Puget Sound Regional Council
RCP	<i>Roadside Classification Plan</i>
RCW	Revised Code of Washington
RM	river mile
ROD	Record of Decision
RPZ	Runway Protection Zone
RSA	Runway Safety Area
RST	Tri-Star
RTA	Regional Transit Authority
SAC	Signatory Agency Committee
SASA	South Aviation Support Area
SCCP	Spill Control and Containment Plan
SCS	Soil Conservation Service; now Natural Resources Conservation Service
SDS	Storm Drain System
Sea-Tac Airport	Seattle-Tacoma International Airport
SEPA	State Environmental Policy Act
SHPO	State Historic Preservation Officer
SIP	State Implementation Plan
SO <sub>2</sub>	sulfur dioxide
SPCC	Spill Prevention Control and Countermeasures
SPP	Stormwater Pollution Plan
SR	State Route
SSP	Stormwater Site Plan
SWAT	special weapons and tactics
TCI	Telecommunications, Inc.
TCP	traditional cultural property
TDM	transportation demand management
TESC	Temporary Erosion and Sediment Control
TIP	Transportation Improvement Program
TKN	total Kjeldahl nitrogen
TNM	Transportation Noise Model
TP	total phosphorus
TPH	total petroleum hydrocarbons
TRB	Transportation Research Board
TSM	transportation system management
TSP	total suspended particulates
TSS	total suspended solids



UGB	Urban Growth Boundary
USACOE	U.S. Corps of Engineers
U.S.C.	U.S. Code
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UST	underground storage tank
VE	Value Engineering
vht	vehicle hours of travel
vmt	vehicle miles of travel
VOC	volatile organic compound
vph	vehicles per hour
vphpl	volume per hour per lane
VRM	visual resource management
WAC	Washington Administrative Code
WDFW	Washington State Department of Fish and Wildlife
WDNR	Washington State Department of Natural Resources
WDW	Washington State Department of Wildlife
WIDM	<i>Washington State Wetland Identification and Delineation Manual</i>
WISHA	Washington Industrial Safety and Health Act
WRIA	Water Resource Inventory Area
WSDOT	Washington State Department of Transportation
WSRHP	Washington State Register of Historic Places
XOFA	Extended Object-Free Area

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